

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference  302671WO/DJW/CFL	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No.  PCT/IB 03/03543	International filing date (day/month/year)  11/07/2003	(Earliest) Priority Date (day/month/year)  12/07/2002
Applicant  NOKIA CORPORATION		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

3

☐ None of the figures.

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/03/03543

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H04Q7/38

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00 78080 A (NOKIA MOBILE PHONES LTD ;SEVANTO JARKKO (FI); SIVANANDAN MOHAN (FI) 21 December 2000 (2000-12-21)  page 2, line 3 -page 3, line 17 page 4, line 7 - line 30 page 6, line 11 -page 10, line 26 abstract	1-6,9, 10,12, 14, 27-29, 33-37, 39,41,42
Y		16,17, 19,43, 54,55 20-26, 44-52
A	---	-/--

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

22 January 2004

Date of mailing of the international search report

16. 02. 2004

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# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/03/03543

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 02 03718 A (NOKIA NETWORKS OY ;FACCIN STEFANO (US)) 10 January 2002 (2002-01-10)  page 15, line 21 -page 17, line 14 abstract  ---	16,17, 19,43, 54,55
A	WO 02 32177 A (HURTTA TUIJA ;NOKIA CORP (FI)) 18 April 2002 (2002-04-18) page 2, line 21 -page 3, line 8 claims 1,10,13,20 abstract  -----	1-15,18, 27-42

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/03/03543

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0078080	A	21-12-2000	FI 991373 A 15-12-2000
		AU 5224300 A 02-01-2001	
		EP 1192829 A1 03-04-2002	
		WO 0078080 A1 21-12-2000	
WO 0203718	A	10-01-2002	AU 1120902 A 14-01-2002
		BR 0109947 A 10-06-2003	
		CA 2405011 A1 10-01-2002	
		CN 1422507 T 04-06-2003	
		EP 1273183 A2 08-01-2003	
		WO 0203718 A2 10-01-2002	
		US 2001036175 A1 01-11-2001	
WO 0232177	A	18-04-2002	WO 0232177 A1 18-04-2002
		AU 7787400 A 22-04-2002	
		EP 1334634 A1 13-08-2003	